

**AMENDMENTS TO THE ABSTRACT:**

Please insert the Abstract as follows after the claims pages (a separate sheet is also attached):

A method of monitoring the temperature of a biochemical reaction such as an amplification reaction is described. The method comprises effecting the reaction in the presence of a fluorescently labeled temperature probe DNA sequence which comprises a double stranded region which denatures at a predetermined temperature, the fluorescent label of said temperature probe sequence being arranged so that a detectable signal occurs at the point at which denaturation of said region takes places; and monitoring fluorescence from said reaction mixture so as to determine when said predetermined temperature has been reached.